

ABSTRACT

The present invention provides a small piezoelectric/electrostrictive ultrasonic linear motors which are installed in cell phones or PDAs, etc. to drive their camera lenses. In the present invention, a movable shaft (30) is coupled to a unimorph or bimorph, which is made by attaching a piezoelectric or electrostrictive substrate to an elastic body (20) (metal), so that a movable body (40) fitted over the movable shaft (30) is linearly moved along the movable shaft (30) by vibration of the piezoelectric or electrostrictive substrate, thus simplifying a manufacturing process, being easily practicable according to a basic principle, and having superior characteristics.